

USSN 09/950 012

IN THE CLAIMS

1. (Currently Amended) A metal halide gas generator disposed external of a coating retort, comprising a base, a housing having a metallic charge for reaction with a halide gas to produce a metal halide gas, said housing having a region disposed on said base, an air-tight seal comprising a polymeric material disposed between said region and said base, said region having a fluid passage for cooling said region, and a heating device to heat the metallic material charge to a reaction temperature.
2. (Original) The generator of claim 1 wherein said region comprises a laterally extending flange region at an end of said housing.
3. (Original) The generator of claim 1 wherein said seal comprises an O-ring seal.
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4. (Original) The generator of claim 1 wherein said seal comprises an acid resistant polymeric material.
5. (Original) The generator of claim 1 including an inlet fitting on said base and outlet fitting on said housing, said inlet fitting and outlet fitting comprising zero clearance fittings.
6. (Currently Amended) The generator of claim ~~1~~ 2 including a perforated gas distribution plate on which said metallic material charge is disposed, said plate being disposed in said housing downstream of said flange region in the direction of flow of said halide gas in said generator.
- 7-11. (Cancelled)
12. (New) The generator of claim 1 wherein the metallic charge includes at least one of Si and a reactive metal selected from the group consisting of Hf, Zr, Y, Ce, La, and Mg.